Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the above-captioned patent application:

LISTING OF CLAIMS

1. (Currently Amended) Apparatus for performing multiple procedures involving the retina of the eye, said apparatus comprising:

at least one imager for imaging at least a portion of an eye of a patient, said at least one imager configured to provide image data comprising at least two data types selected from the group consisting of data from ophthalmic images using confocal microscopy data, retinal polarimetry data, optical coherence tomography data, thermal image data, spectroscopic image data, refractometry data, and visible image data; and

a data analysis module that interrelates data from said at least two data types to provide an interpretive result that is indicative of a presence of an abnormality that appears to involve a retinal portion of the eye, and where said abnormality could actually involve, at least in part, an ~~diseased portion~~abnormality of the brain.

2. (Previously Presented) Apparatus as recited in Claim 1, further comprising a display module that provides a display of interrelated data to a user.

3. (Canceled).

4. (Previously Presented) Apparatus as recited in Claim 1, further comprising a data output module that reports interrelated data from said at least two data types.

5. (Previously Presented) Apparatus as recited in Claim 1, further comprising a report module that reports said interpretive result.

6. (Previously Presented) Apparatus as recited in Claim 1, further comprising a single output module that reports interrelated data from said at least two data types and said interpretive result.

7. (Previously Presented) Apparatus as recited in Claim 1, further comprising a superposition module for superimposing data obtained from at least two images.

8-11. (Canceled).

12. (Previously Presented) Apparatus as recited in Claim 7, further comprising a display for displaying superimposed data obtained from at least two images.

13. (Previously Presented) Apparatus as recited in Claim 12, wherein said superimposed data obtained from at least two images comprises data obtained from at least two different data types selected from the group consisting of data from ophthalmic images using confocal microscopy data, retinal polarimetry data, optical coherence tomography data, thermal image data, spectroscopic image data, refractometry data, and visible image data.

14. (Previously Presented) Apparatus as recited in Claim 1, further comprising a memory for storing image data.

15. (Previously Presented) Apparatus as recited in Claim 14, wherein said memory for storing image data is configured to store and to selectively retrieve data from at least one image for determining changes induced in response to an applied stress.

16. (Previously Presented) Apparatus as recited in Claim 15, where said applied stress is selected from the group consisting of intra ocular pressure variation, blood pressure variation, oxygen concentration variation, exercise, flashing light, drug administration, administration of insulin, and administration of glucose.

17-18. (Canceled).

19. (Previously Presented) Apparatus as recited in Claim 14, wherein said memory for storing image data is configured to archivally store image data.

20-22. (Canceled).

23. (Previously Presented) Apparatus as recited in Claim 1, wherein said data analysis module is configured to automatically determine a presence of an abnormality.

24-91. (Canceled).

92. (Previously Presented) A method of treating a patient, comprising the steps of: performing an examination of a patient using the apparatus of any of Claims 1; and treating said patient based at least in part on a result obtained from said examination.

93-99. (Canceled).

100. (Previously Presented) The apparatus of claim 1 where said at least two data types include a first data type and a second data type, and where said first data type is optical coherence tomography data and where a second data type is visible image data and where an interpretive result indicates a presence of glaucoma or Alzheimer's disease based upon said two data types.